

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISION

**Name of the Work : Improvements to Solid waste
management in ward No. 05 Jakkur**

Estimated Cost : 5.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Solid waste management in ward No.05 Jakkur

		Estimation Cost.Rs						500000.00	
SI No	Description of work		Mesurement				Qty	Rate	Amount
		Unit	No.	L	B	D			
1	KSRRB 300-1. Earthwork excavation by manual means for roads , drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80								
	Left Side	Cum	1	24.50	0.50	0.60	7.35		
	Right Side	Cum	1	44.50	0.50	0.60	13.35		
	back Side	Cum	1	22.50	0.50	0.60	6.75		
	Basic rate							130.00	
	Area weightage 6%							7.80	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						27.45	207.60	5698.62
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	Left Side	Cum	1	24.50	0.50	0.15	1.84		
	Right Side	Cum	1	44.50	0.50	0.15	3.34		
	back Side	Cum	1	22.50	0.50	0.15	1.69		
	Basic rate							5194.00	
	Area weightage 6%							311.64	
	Total						6.86	5505.64	37782.45
3	KSRB 5.2-3: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Pg No.25 Item No.5.6								
	Left Side	Cum	1	24.50	0.45	0.45	4.96		
	Right Side	Cum	1	44.50	0.45	0.45	9.01		
	back Side	Cum	1	22.50	0.45	0.45	4.56		
	For pole insertion	Cum	35	0.45	0.45	-0.45	-3.19		
	Basic rate							4596.00	
	Area weightage 6%							275.76	
	Total						15.34	4871.76	74729.75
4	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications. Pg No.256 Item No.34.12.2								
	Left Side	Sqm	2	24.50		0.45	22.05		
	Right Side	Sqm	2	44.50		0.45	40.05		
	back Side	Sqm	2	22.50		0.45	20.25		
	Basic rate							140	
	Area weightage 6%							8.4	
	Total						82.35	148.40	12220.74

SI No	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No.	L	B	D			
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggretges @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	Left Side	Cum	1	24.50	0.45	0.10	1.10		
	Right Side	Cum	1	44.50	0.45	0.10	2.00		
	back Side	Cum	1	22.50	0.45	0.10	1.01		
	For pole insertion	Cum	35	0.45	0.45	0.45	3.19		
	Basic rate							5422.00	
	Area weightage 6%							325.32	
	Total						7.31	5747.32	41994.95
6	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials, labour, HOM complete as per specifications (P.No-266,I No-37.2)								
	Chain Link Fancing	M							
	Left Side	1	10.00	2.50			25.00		
	Right Side	1	16.00	2.00			32.00		
	back Side	1	9.00	2.00			18.00		
	Basic rate							859	
	Area weightage 6%							51.54	
	Total						75.00	910.54	68290.50
7	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications. (P.No-266,I No-37.3)								
	Chain Link Fancing	Sqm							
	Left Side	Sqm	1	24.50		1.80	44.10		
	Right Side	Sqm	1	44.50		1.80	80.10		
	back Side	Sqm	1	22.50		1.80	40.50		
	Basic rate							715	
	Area weightage 6%							42.9	
	Total						164.70	757.90	124826.13
8	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc.. complete including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour. HOM complete as per specifications. (P.No-266,I No-37.4)								
	Chain Link Fancing	M							
	Left Side	M	2	24.50			49.00		
	Right Side	M	2	44.50			89.00		

Sl No	Description of work	Measurement				Qty	Rate	Amount
		Unit	No.	L	B			
	back Side	M	2	22.50		45.00		
	Basic rate						408	
	Area weightage 6%						24.48	
	Total					183.00	432.48	79143.84
Grand Total								444686.99
GST Charges (12% of estimated cost)								53362.44
Miscellenious and rounding								1950.57
Total Amount								500000.00
RUPEES FIVE LAKHS ONLY								

CERTIFICATE:

- 1) The work spot has been inspected and found to be necessary
- 2) The work spot comes under B.B.M.P
- 3) The provisions made in the estimate are necessary and minimum
- 4) The estimate is based on C.S.R of 2018-2019, Issue rates and Data Rates.


Assistant Engineer


Assistant Executive Engineer


Executive Engineer
ಕಾರ್ಯಾಚರಣೆ ಅಧಿಕಾರಿ
ಪ್ರಾ.ಪಂ.ಯವರಿಗೆ ವಿಷಯ ತಿಳಿಸಿ
ಇದಕ್ಕೆ ಮುಂದುವರಿಸುವಂತೆ ಮಾರ್ಗದರ್ಶನ ನೀಡುವುದು-2020092.

ADMINISTRATIVE APPROVAL

Accorded For Rs. 5.00 Lakh only

Head of A/c. P3298

Div. Ref. No. 121/19-20 Date 16-3-2020

 AE 16/03

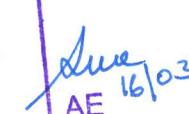
 EE(BTP)

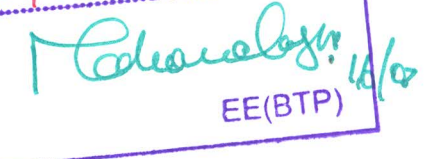
TECHNICAL SANCTION

Accorded For Rs. 5.00 Lakh only

Head of A/c. P3298

Div. Ref. No. 89/19-20 Date 16-3-2020

 AE 16/03

 EE(BTP)